

CENTRAL INTELLIGENCE AGENCY
INFORMATION REPORT

REPORT

CD NO.

COUNTRY Poland

50X1-HUM

SUBJECT Motor Transport Shown at the
Poznan Trade Fair, April 1949**CONFIDENTIAL**

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THIS IS UNEVALUATED INFORMATION

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The following types of motor transport were shown, among others, at the
Poznan Trade Fair in April 1949.

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1. Make: San. Pol. Starzo.*Factory: At Starochodice.Tyre: 42 Model I 25.Engine: Low-pressure 4-stroke, overhead valves, 6 cylinders. Develops
65 h.p. at 2,500 r.p.m. Stroke 150 mm. Capacity 2,183 cc.Fuel: Mixture of benzol, gasoline, and anhydrous alcohol.Lubrication: Oil circulation under pressure.Cooling: Forced circulation by centrifugal pump. Operating temperature
50° C.Electrical Installations: 12 volt. Starting by motor or hand crank.2. Chassis: (Presumably shown with above engine.)Type: A 20. Model I 107.Wheelbase: 3,000 mm.Track: Front wheels ? Rear (between axles of twin wheels) 1,600 mm.Tires: 6.25 x 20; wheel rims 7.00 x 20.

Dimensions: Height (uncovered).....2 meters
Height (to top of cover)....3 meters
Length.....5670 mm.
Width.....2 meters

Document No.

NO CHANGE in Class. ☐☐ DECLASSIFIED

Class. CHANGED TO: TS S C

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Auth: DDA REG. 77/1235

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Loading area: 8.2 (sq.) meters; dimensions 390 x 300 x 500 cm.Minimum ground clearance: 250 mm.Minimum turning radius: 6 meters.Weight of chassis: 2,450 Kg.Weight of vehicles equipped for passenger carrying: 3,900 Kg.Maximum permitted weight: 7,250 Kg. (front axle 2,370, rear axle 4,880 Kg.)Maximum power: weight ratio: 85 Kg. per h.p.

3. Engine Type S4Z: Develops 85 h.p. at 2,800 r.p.m. Dry-plate single-thrust clutch.

<u>Gear ratios:</u> First	
Second	1 : 3.24
Third	1 : 6.8
Fourth	1 : 7.3
Direct drive reverse	7 : 2.7
Back axle drive	9 : 4.9

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Brakes: Vacuum-power. Independent hand-operated system on rear wheels.Suspension: Semi-elliptic springs assisted at rear by hydraulic shock absorbers.

4. Haulage Engine (distinct from tractor): Develops 60 h.p. at 2,500 revolutions. Hauls trailer loaded to 2,000 kg. On test climbed gradient of 1,250 (sic).

Tire pressure: 4.5 atmospheres.Wheels: As on Chevrolet truck.Fuel consumption: 2.5 liters (sic, possibly 25 liters) of mixture per 100 Km.Tank capacity: 90 liters.

5. The following Soviet-manufactured vehicles were shown at the Poznan Trade Fair:

- a. Russian vehicle ZIS 151: Truck, 6 cylinder, gasoline engine. Drive on 6 wheels similar to American (probably Studebaker, lend-lease).
- b. ZIS 110: Copy of Packard.
- c. ZIS 110: Ambulance.
- d. Pobeda: Ambulance (sic) resembling some of the recent small English vehicles.
- e. Moskvich. Versions: cabriolet, mail van, ambulance.
- f. Various traction units such as:

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XT 3 Big Diesel caterpillar.
Tractor for hauling timber.
Mobile revolving 3-ton crane on a truck.

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Comment: This may be identical with the Star 20 $\frac{3}{4}$ -ton truck,
as follows

The Starochowice Works has started production of 3.5-ton trucks of "Star 20" type. Four of this type were produced up to 15 December, and 16 more were produced between that date and 31 December 1948. Technical details are as follows:

Engine: Low pressure, 4-stroke, overhead valve, 6-cylinder, water cooled.
Power 85 h.p. at 2,800 r.p.m.

Chassis: Wheel base 3 meters
Track 1.6 meters
Weight 2,600 kg.
Carrying capacity 4,640 kg.

Body: Height 2.1 meters
Length 5.5 meters
Width 2.1 meters
Loading surface 7.5 sq. meters
Weight 750 kg.

The truck is equipped either with 7.50 x 20" or 8.25 x 20" tires.

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